Pretty Results

Pretty Results

Consensus Sequence

Symbol comparison table: pileupdna.cmp CompCheck: 6876

                          GapWeight: 5
                    GapLengthWeight: 1

PileUp MSF: 3123 Type: N October 23, 2002 15:15 Check: 2192 ..

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Name: 1016_SEQ_5   Len: 3123 Check: 928 Weight: 1.00
Name: 1016_SEQ_4   Len: 3123 Check: 503 Weight: 1.00
Name: 1016_SEQ_16   Len: 3123 Check: 9838 Weight: 1.00

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//                                                            50
            1
  1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
  Consensus   CCCATCGCTG CTTTGTCTAC ATCATGTTCT TCATCATCCT CCCCAGGCGA

                                                            100
            51
  1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
  Consensus   CGCGTGCTGC TGTTCTTATT CAGACTACCG TTCGAGTGAC TCCATGGCGT

                                                            150
            101
  1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
  Consensus   ACATCTTTCT GCATCGACTT TGTACGGCTA CATCGAACAT ATACACGAGA

                                                            200
            151
  1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
  Consensus   TGTCTCGTGT GAATAGAGTC ACTAATGCCT TAAGCATCGG TTACTCCGTA

                                                            250
            201
  1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
  Consensus   GGGTACATTC TGTTCTTCTT ATTTGTGCAT ATTTTTATTC TTGTTTACTG

                                                            300
            251
  1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_4  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16 ---------- ---------- ---------- ---------- ----------
  Consensus   ATTATACGAG TAGTTATACA TACATGCACA TACATATCAT CACATATATC

                                                            350
            301
  1016_SEQ_3  ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5  ---------- ---------- ---------- ---------- ----------
```

Pretty Results

```
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
   Consensus  ACAATATTTT  TCTAAATTAA  ATTAAAACTA  AAAATGACTA  AATTTCTAAC

                                                                    400
             351
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
   Consensus  ACCAACGACA  TTGTAATGTT  TTCTCCAACA  ACTTTACCTA  TTCTACATTG

                                                                    450
             401
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
   Consensus  TTCTATTTCG  AATTTCACTC  TATAAACAAC  ATAGTCTACA  ATGGAAAACA

                                                                    500
             451
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
   Consensus  GTGCTTTGTA  CGACTATATA  CGCGATGTGT  GGCTACAACA  TAAGACAATA

                                                                    550
             501
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
   Consensus  TAGTCGTTTG  AAGATTCAAC  CTATATATCG  GTACGGTTAA  TCCGTCTATG

                                                                    600
             551
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
   Consensus  TACGTGGGCA  TGACGAACAC  CCGTGATAAC  GAAGGATTAA  CCTGCACAAT

                                                                    650
             601
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
   Consensus  CATAAATCCA  AAGTAGGAGC  CGTGCATGAT  GACAATCGCT  CTCAGTACTC

                                                                    700
             651
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
   Consensus  GACATAATGA  ACCTTACGAG  GTACAACAGG  CAGGCAGGCA  GGGACCAGGG

                                                                    750
             701
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
   Consensus  GCCGCCTTTA  TTTCAGGCTC  GCTGGCCCCA  CGGGCGTGCT  CCGTGCACGA

                                                                    800
             751
1016_SEQ_3   ----------  ----------  -----a----  ----------  ----------
1016_SEQ_5   ----------  ----------  -----a----  ----------  ----------
```

Pretty Results

```
1016_SEQ_4   ----------  ----------  -----a----  ----------  ----------
1016_SEQ_16  ----------  ----------  -----.----  ----------  ----------
Consensus    AGGGCACTAC  CCCAACCTCT  CACCG-AAAA  CCGCGCTGGA  TCGGCAAATC

                                                                    850
             801
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    AAACGAGGTG  GTGCCCCGTG  CCCACTCTCC  ACGTCCACGG  CACCATCCCT

                                                                    900
             851
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    CTGCAGCCGC  TCACCAGCCA  TGCCGTGTCG  CGGAACGGCA  CAACCACCCC

                                                                    950
             901
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    CAACCCACTC  ACGAAACCCC  GTCCCGGCCG  TGCCCGTGTC  GGTCCGCGCT

                                                                    1000
             951
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    CGGCAACGAG  GCGGCCCGCG  CTGCTCAGTC  CCCTGGACAC  CCGACACCCT

                                                                    1050
             1001
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    GTCGGCCCTT  TGTTTATTCA  TCCCGAAATC  TCATCTGCCC  CCACGGCCGA

                                                                    1100
             1051
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    CTGCGCTGCG  CCGCCCGGAT  ATATATACCC  ATCGTTATCG  ATCGATCGAT

                                                                    1150
             1101
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    CGCGTCACTC  ACGGGTAGCT  CATGGTCGAG  CGTAGCATGC  AGGAACTTAT

                                                                    1200
             1151
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
1016_SEQ_4   ----------  ----------  ----------  ----------  ----------
1016_SEQ_16  ----------  ----------  ----------  ----------  ----------
Consensus    TTGCCGTGCG  CTCCCAGGTC  TCCGCTCGCG  TGCCTTCCAG  TCTGTCTCAC

                                                                    1250
             1201
1016_SEQ_3   ----------  ----------  ----------  ----------  ----------
1016_SEQ_5   ----------  ----------  ----------  ----------  ----------
```

Pretty Results

```
  1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
   Consensus    ACTAGCTGCT CTGGGACGAT CGAAGTGGGT GTGTCAGCTA GCTAGCTGCG

                1251                                                  1300
  1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
   Consensus    CCGTGACCAC GCACATGACC GCAGTGCGCG CGGGGCTGAT CAAGGGAAAG

                1301                                                  1350
  1016_SEQ_3    -----gg--- ---------- ---------- ---------- ----------
  1016_SEQ_5    -----gg--- gagctggagc tcgggctcgc gccgccgaac ccgcatcagc
  1016_SEQ_4    -----cc--- ---------- ---------- ---------- ----------
  1016_SEQ_16   -----cc--- ---------- ---------- ---------- ----------
   Consensus    TGATC--ATG ---------- ---------- ---------- ----------

                1351                                                  1400
  1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5    cgctggctgc cgccgccgag ttcgtcggtc tcctcagcag ctcggctggc
  1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
   Consensus    ---------- ---------- ---------- ---------- ----------

                1401                                                  1450
  1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5    tcgtgcggga acaagagggt tctcggcgac gcgttcgggg ccgccaaggc
  1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
   Consensus    ---------- ---------- ---------- ---------- ----------

                1451                                                  1500
  1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5    ggccacgctt ccgctcttcg tctgcgagga tggcgacgga ggcggcggcg
  1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
   Consensus    ---------- ---------- ---------- ---------- ----------

                1501                                                  1550
  1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5    accgcgaccg cgacggcgtc gtcgaccatg aacagcaaag caacaagtga
  1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
   Consensus    ---------- ---------- ---------- ---------- ----------

                1551                                                  1600
  1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5    gttgtggtta aaaataccga ccacgtgcgt acagggaggg tcttattata
  1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
   Consensus    ---------- ---------- ---------- ---------- ----------

                1601                                                  1650
  1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5    cccaaatccg atccgtggtg tgtgtagtgt acccaggaag aagaggctgg
  1016_SEQ_4    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16   ---------- ---------- ---------- ---------- ----------
   Consensus    ---------- ---------- ---------- ---------- ----------

                1651                                                  1700
  1016_SEQ_3    ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5    tggggtggcc gccggtgaag tgcgcgcgta ggcgtagctg cggcggcggg
```

Pretty Results

```
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                1750
             1701
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   tacgtgaagg tgaagctgga aggggtgccc atcgggcgga aggtggacgt
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                1800
             1751
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   gtccatccac ggctcgtacc aggagctgct ccgcacgctc gagagcatgt
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                1850
             1801
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   tcccttcggg taaccaacaa ggtgcgtacg ttcccgggcc gcggcgagcc
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                1900
             1851
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ggccggcgac cggcggtgct gcggacgatg cctttctttc actgataatc
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                1950
             1901
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   atctgccgcc atcgttctgg tcccgacacg tgcccttgct tcccgttctg
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                2000
             1951
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ctcccggcac ttaacttggt cgcatatact attcctgtaa cctctggcag
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                2050
             2001
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   atcatgcaga agacgaggtg gtggtctcgc acgagcgccg ccgtcgccat
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                2100
             2051
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ccttatgtag tcacctacga ggacggcgaa ggggactggt tgctcgtcgg
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                2150
             2101
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   agatgatgtg ccgtgggagt acgtatcagt cactactact gtcgtctgta
```

Pretty Results

```
  1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
  Consensus    ---------- ---------- ---------- ---------- ----------
                                                                  2200

               2151
  1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5   tgactgtatc gatggtgacg gcaacaatat aatccaatta attattcagc
  1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
  Consensus    ---------- ---------- ---------- ---------- ----------
                                                                  2250

               2201
  1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5   gaacttaaaa acgacgttga tttccttgca gggtctttgt caagtcagtg
  1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
  Consensus    ---------- ---------- ---------- ---------- ----------
                                                                  2300

               2251
  1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5   aagcggctca agatacttgc gtagccgacg gtcggcgcct cagagacgtc
  1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
  Consensus    ---------- ---------- ---------- ---------- ----------
                                                                  2350

               2301
  1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5   gtgtggtccg tctcaccagg atcggagcag tgtagtactc ctgggcgtca
  1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
  Consensus    ---------- ---------- ---------- ---------- ----------
                                                                  2400

               2351
  1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5   tctgcgtaat aacgttgttt ctgtcctgtg tgcccgtagc agtacgtact
  1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
  Consensus    ---------- ---------- ---------- ---------- ----------
                                                                  2450

               2401
  1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5   gtcctatagt aagctagctt tatggggtgc ttcagctttc agagcatgac
  1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
  Consensus    ---------- ---------- ---------- ---------- ----------
                                                                  2500

               2451
  1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5   gaaagcactg attagctgct gtcatcacat ttggttcgtc tttgtgtcgt
  1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
  Consensus    ---------- ---------- ---------- ---------- ----------
                                                                  2550

               2501
  1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5   acggtatcgc tggcgtcagt gtcgcggcag cctaggtgat ctaagcatac
  1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
  Consensus    ---------- ---------- ---------- ---------- ----------
                                                                  2600

               2551
  1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
  1016_SEQ_5   ttactatctc aagttacttt tggtttcctg agcttgcatg gtaattcata
```

Pretty Results

```
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                2650
             2601
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   taccgtatac gtgtgtgact caggggcgaa gctgccttaa ggcacagggg
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                2700
             2651
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   tcaccggacc cgatggaatt tatcaaatcc agtgtaaaat actatttaac
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                2750
             2701
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   actgttcatc aatatatttg atttcaataa ttcatggagc tgaccttgtg
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                2800
             2751
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   gatccatttt ctgtcttcgc ctctggtgtg actagtattt tggtttgact
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                2850
             2801
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   tttcactctg tataagatat atattatacc agcgagttta tcgactgcta
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                2900
             2851
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   gttttacaag aggcttaact cttttcaattg cttattttta ttgcaacaac
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                2950
             2901
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   acactcctcc gttgttgtgg tattagatgt ggttctgaat gtaaatgtca
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                3000
             2951
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   ttataggata taaatgtagt gtttcctagt tttaccttag ctttcgcatg
1016_SEQ_4   ---------- ---------- ---------- ---------- ----------
1016_SEQ_16  ---------- ---------- ---------- ---------- ----------
Consensus    ---------- ---------- ---------- ---------- ----------

                                                                3050
             3001
1016_SEQ_3   ---------- ---------- ---------- ---------- ----------
1016_SEQ_5   catagtggga aagtgtacta actctcctca tgcagaaaga ggtgtggtat
```

Pretty Results

```
   1016_SEQ_4   ----------  ~~~~~~~~~~  ----------  ~~~~~~~~~~  ----------
   1016_SEQ_16  ~~~~~~~~~~  ----------  ----------  ~~~~~~~~~~  ----------
    Consensus   ----------  ~~~~~~~~~~  ----------  ~~~~~~~~~~  ----------

                3051                                            3100
   1016_SEQ_3   ~~~~~~~~~~  ----------  ----------  ~~~~~~~~~~  ----------
   1016_SEQ_5   acctaacaaa  atcatacatc  actactaatc  tacggataat  atatataaac
   1016_SEQ_4   ----------  ----------  ~~~~~~~~~~  ----------  ~~~~~~~~~~
   1016_SEQ_16  ----~~~~~~  -~~~~~~~~~  ----~~~~~~  ~~~~~~~~~~  ----------
    Consensus   ~~~~~~~~~~  ----------  ----~~~~~~  ~~~~~~~~~~  ----------

                3101                    3123
   1016_SEQ_3   ----~~~~~~  ~~~~~~~~~~  ---
   1016_SEQ_5   cgtagcgaca  cacgagtgct  tag
   1016_SEQ_4   ----~~~~~~  ~~~~~~~~~~  ---
   1016_SEQ_16  ----------  ----~~~~~~  ---
    Consensus   ~~~~~~~~~~  ----------  ---
```

Add the Consensus Sequence to Your List

Use the form below to add the consensus sequence to your list of input sequences. You must enter a name for the sequence. You can edit the description line, the reference, or the sequence.

Name

```
[                    ]
```

Description Line

```
Consensus Sequence
```

Reference

```
Consensus sequence calculated by PileUp from:
        1016_SEQ_3
        1016_SEQ_5
        1016_SEQ_4
        1016_SEQ_16
```

Sequence Data

```
CCCATCGCTGCTTTGTCTACATCATGTTCTTCATCATCCTCCCCAGGCG
ACGCGTGCTGCTGTTCTTATTCAGACTACCGTTCGACTGACTGCATGGC
GTACATCTTTCTGCATCGACTTTGTACGGCTACATCGAACATATACACG
AGATGTCTCCTGTGAATAGAGTCACTAATGCCTTAAGCATCGGTTACTC
CGTAGGGTACATTCTGTTCTTCTTATTTGTGCATATTTTTATTGTTGTT
```

[Add Sequence to List] [Remove Gaps] [Reset]